

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| S1 | 2599 | (15/207.2,143.1).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 13:04 |
| S2 | 19 | S1 and crystalline | US-PGPUB; USPAT | OR | OFF | 2006/11/15 13:07 |
| S3 | 23 | S1 and (calcium adj2 carbonate) | US-PGPUB; USPAT | OR | OFF | 2006/11/15 13:07 |
| S4 | 25 | S1 and (calcium adj2 carbonate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 13:08 |
| S5 | 28 | S1 and crystalline | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 13:08 |
| S6 | 9 | S5 not S2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 13:07 |
| S7 | 6 | scallop same shell same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (calcium adj2 carbonate) | US-PGPUB; USPAT | OR | ON | 2006/11/15 13:16 |
| S8 | 21 | scallop same shell same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (calcium adj2 carbonate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:28 |

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| S9 | 2 | scallop same shell same (calcium adj2 carbonate) same (antifungal or antibacter\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:28 |
| S10 | 7 | "5409714" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:28 |
| S11 | 1265 | shell same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (calcium adj2 carbonate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:28 |
| S12 | 4 | shell same (calcium adj2 carbonate) same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (antifungal or antibacter\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:30 |
| S13 | 2 | (scallop or oyster) same shell same (calcium adj2 carbonate) same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (antifungal or antibacter\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:51 |
| S14 | 2 | "200072610" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:37 |
| S15 | 279 | toothbrush same (antifungal or antibacter\$4 or antimicrobial) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:56 |

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| S16 | 97 | toothbrush same (antifungal or antibacter\$4 or antimicrobial) same bristles | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/15 13:57 |
| S17 | 3 | "9935911" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 14:16 |
| S18 | 4 | "6138315" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/15 14:16 |

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-216016

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A46B 9/04
// A61K 7/16

(21)Application number : 10-038146 (71)Applicant : SINTO BRATOR CO LTD
DAN D:KK

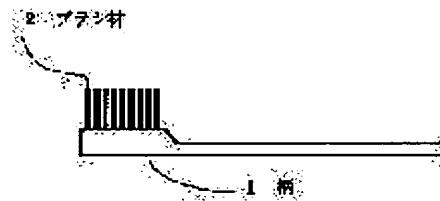
(22)Date of filing : 03.02.1998 (72)Inventor : Horiguchi Shoji
Watanabe Masatomo
Ochiai Tetsuo

(54) ABRASIVE-FIXED BRUSH FOR TOOTHBRUSH

(57)Abstract:

PROBLEM TO BE SOLVED: To provide brush for a toothbrush having high polishing effect and resolving problems occurring when conventional toothbrushes stuck with a dentifrice are used.

SOLUTION: An abrasive is fixed to resin brush materials 2 having the diameter of 0.02-0.4 mm. The abrasive has the average diameter of 0.001-0.05 mm, and 10-40 pts.wt. of it is preferably contained in a resin substrate of 100 pts.wt. The brush materials 2 thus manufactured are planted on a shank 1 like existing toothbrushes.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]